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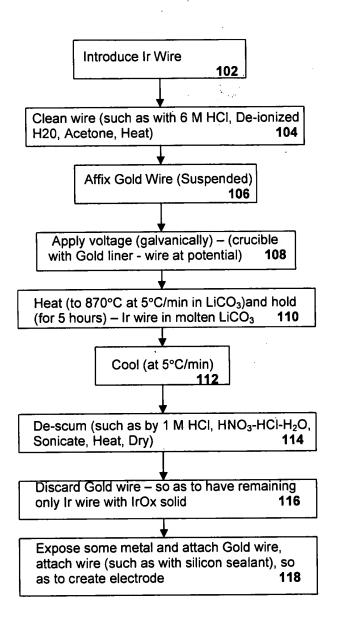


FIG-1





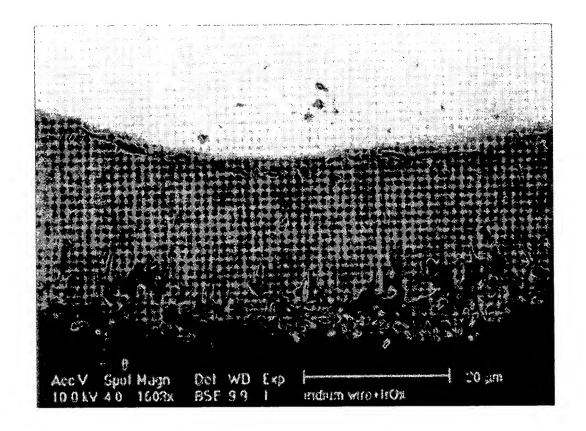


FIG-2



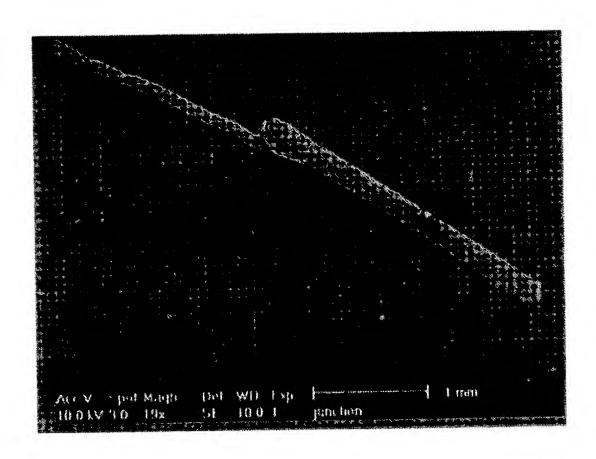


FIG-3



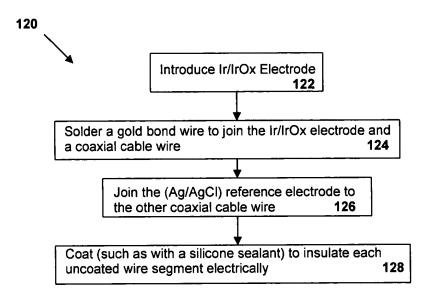


FIG-4



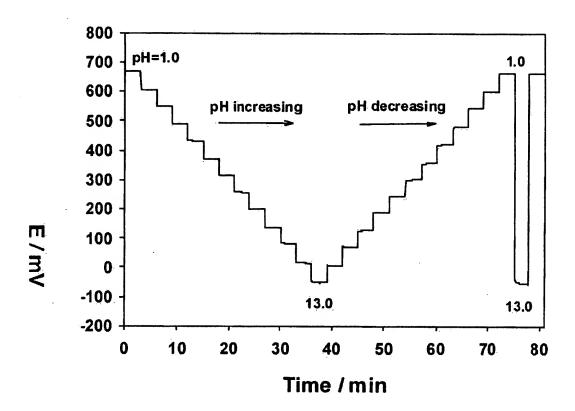


FIG-5(a)



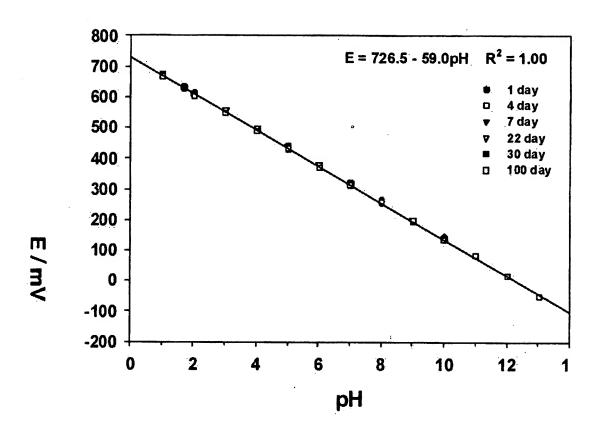


FIG-5(b)



130

Introduce an Ir/Ir/Ox electrode, a Ag/AgCl reference Electrode, coaxial cable, and gold bond wires 132

Solder a gold bond wire to and electrode and a coaxial cable wire, repeat for other electrode 134

Coat (such as with a silicone sealant) to insulate each uncoated wire segment electrically 136

Epoxy tubing, coat down to the solid shoreline to seal environmentally 138

Fill, bubble-free, with electrolyte 140

Epoxy to seal bottom, creating carbon dioxide sensor 142

FIG-6





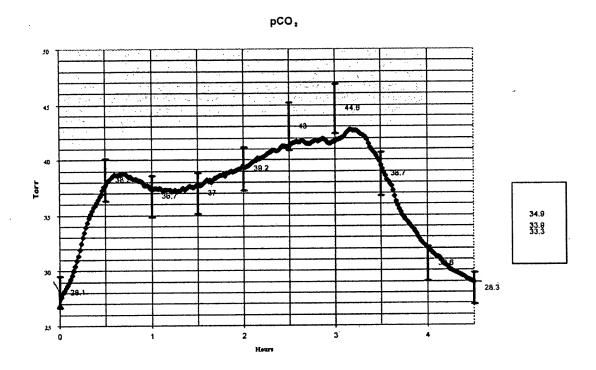


FIG-7